

Converting Colors

XYZ(71.0387, 78.6776, 85.1214)

Have a look what the booklet for
XYZ(71.0387, 78.6776, 85.1214)
contains.

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Color

**XYZ(70.8670, 78.5932,
84.8337)**

Conversions

Conversions Part 1

Format	Color
Hex	D5EAE4
RGB	213, 234, 228
RGB Percent	84%, 92%, 89%
CMY	0.1647, 0.0823, 0.1059
CMYK	0.09, 0.00, 0.03, 0.08
HSL	163°, 33%, 88%
HSV	163°, 9%, 92%
XYZ	70.8670, 78.5932, 84.8337
YIQ	227.0370, -10.5900, -6.3180

Conversions

Conversions Part 2

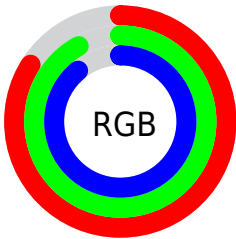
Format	Color
R _Y B	213, 225, 234
Decimal	14019300
CIE Lab	91.05, -8.03, 0.53
CIE LCh	91, 8.050, 176.195
Yxy	78.5932, 0.3025, 0.3354
Android (android.graphics.Color)	4292209380 (0xFFD5EAE4)
YUV	227.0370, 0.4748, -12.3104
Hunter-Lab	88.6528, -12.4536, 5.3211

Details

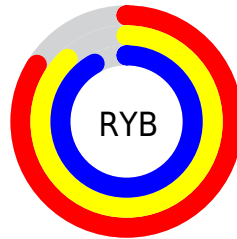
The XYZ color **70.8670, 78.5932, 84.8337** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5150, 70.1975, 76.8545**, and the grayscale version is **73.0446, 76.8486, 83.6881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5638, 42.1270, 45.6867** is the 20% darker color. If you saturate the color by 10%, you get **63.6529, 74.9816, 79.7435**, and if you desaturate by 10%, it is **79.1008, 82.7307, 90.1625**.

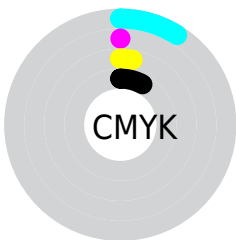
Distribution



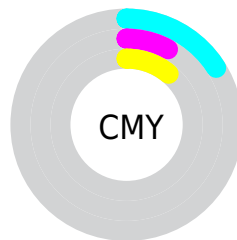
- Red (84%)
- Green (92%)
- Blue (89%)



- Red (84%)
- Yellow (88%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8670, 78.5932, 84.8337 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.8670, 78.5932, 84.8337 by changing the saturation by 10% instead.

70.8670, 78.5932,
84.8337

70.8670, 78.5932,
84.8337

452.8074,
490.1791, 531.2079

52.5158, 58.5614,
63.1546

119.4639,
131.3860, 142.0129

37.6423, 42.2602,
45.5245

150.4403,
164.9158, 178.3501

25.8811, 29.3051,
31.5248

186.3558,
203.7137, 220.4104

16.8670, 19.3117,
20.7370

227.5757,
248.1642, 268.6124

10.2344, 11.8957,
12.7425

274.4655,
298.6516, 323.3746

5.6181, 6.6727,
7.1229

327.3905,

2.6527, 3.2583,

355.5602, 385.1156

3.4594

386.7160,
419.2746, 454.2538

■ 0.9729, 1.2680,
1.3337

■ 0.0000, 0.1162,
0.0892

■ 70.8670, 78.5932,
84.8337

■ 70.8670, 78.5932,
84.8337

■ 63.6529, 74.9816,
79.7435

■ 79.1008, 82.7307,
90.1625

■ 57.4098, 71.8643,
74.8825

■ 86.5982, 86.4821,
95.6448

■ 52.0947, 69.2213,
70.2483

■ 87.6181, 86.8901,
101.0156

■ 47.6587, 67.0275,
65.8364

■ 88.6751, 87.3129,
106.5818

■ 44.0485, 65.2555,
61.6421

■ 88.7143, 87.3286,
106.7881

■ 41.2047, 63.8746,
57.6605

■ 39.0595, 62.8501,
53.8859

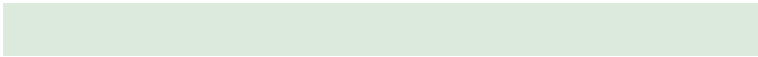
■ 37.5332, 62.1408,
50.3125

■ 36.5039, 61.6839,
46.9320

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4987, 78.5932, 79.4950



70.8670, 78.5932, 84.8337



71.2470, 78.5932, 90.6129

Triad

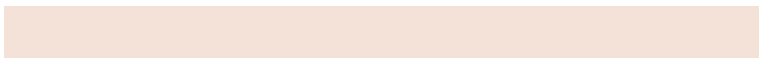
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8670, 78.5932, 84.8337



76.4396, 78.5932, 96.0199



76.8969, 78.5932, 76.6039

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.8670, 78.5932, 84.8337



70.5150, 70.1975, 76.8545

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2638, 78.5932, 80.7266



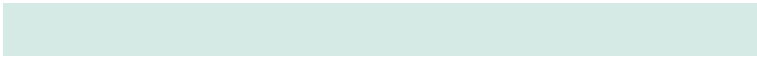
70.8670, 78.5932, 84.8337



77.9964, 78.5932, 91.9566

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



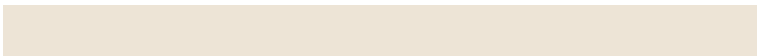
70.8670, 78.5932, 84.8337



74.4413, 78.5932, 97.2400



78.6698, 78.5932, 86.3199



74.9602, 78.5932, 74.8816

Rectangle

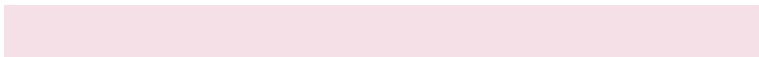
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



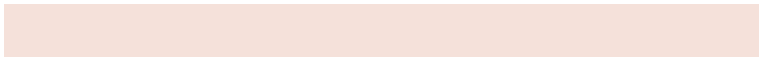
70.8670, 78.5932, 84.8337



72.0268, 78.5932, 93.9124



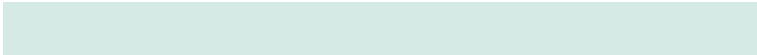
78.6698, 78.5932, 86.3199



77.4396, 78.5932, 77.7456

Sweetspot

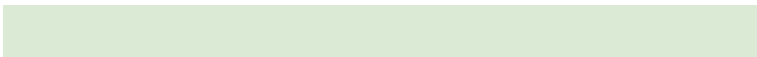
The Sweet Spot groups the original color and five complimentary colors.



70.8692, 78.5965, 84.8354



91.9412, 98.4378, 106.9273



70.7394, 78.7599, 74.4258



19.5055, 20.9825, 22.7749



0.0000, 0.0000, 0.0000



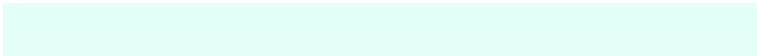
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8692, 78.5965, 84.8354



84.2086, 94.5571, 101.7944



70.5356, 76.5721, 88.9081



15.3234, 17.0442, 18.3860



20.5164, 34.6610, 26.4823



1.6521, 2.7382, 2.2958

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



70.5150, 70.1975, 76.8545



83.6861, 82.1671, 90.0219



70.8090, 72.0277, 73.1227



15.2425, 15.1248, 16.5623



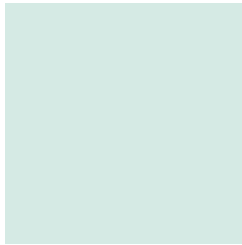
19.6820, 10.0755, 4.1269



1.5857, 0.8072, 0.5357

Previews

White Background



This preview shows how the XYZ color 70.8670, 78.5932, 84.8337 looks on a white background.

Color Contrast Check

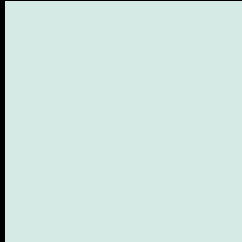
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.8670, 78.5932, 84.8337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

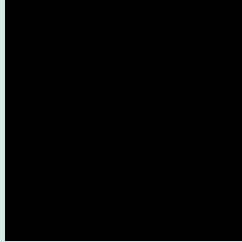
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

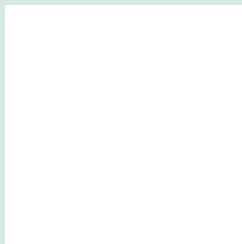
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8670, 78.5932, 84.8337

Background



This preview shows how black text looks on a background with the XYZ color 70.8670, 78.5932, 84.8337.

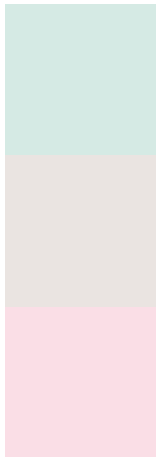


This preview shows how white text looks on a background with the XYZ color 70.8670, 78.5932,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.8670, 78.5932, 84.8337

Protanopia

75.2657, 78.4155, 82.4029

Deuteranopia

79.8285, 78.2797, 85.7650



Tritanopia

74.2901, 78.7431, 100.9060

Trichromacy



Original Color

70.8670, 78.5932, 84.8337

Protanomaly

73.3883, 78.2534, 83.1879

Deuteranomaly

76.2643, 78.0544, 85.1752

Tritanomaly

73.0527, 78.6630, 94.5523

Monochromacy



Original Color

70.8670, 78.5932, 84.8337

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.2861, 77.6693, 83.8548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8670, 78.5932, 84.8337 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(213, 234, 228) looks like.

```
.text, #text, p{  
    color:rgb(213, 234, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 234, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.8670, 78.5932, 84.8337 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 234, 228) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(213, 234, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(213, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 234, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 234, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 234,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8670, 78.5932, 84.8337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 234, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213,  
234, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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